MOHAMMED EZZAT EL-GREATLY

MECHATRONICS ENGINEER

PERSONAL INFORMATION

Name: Mohammed Ezzat Tawfek Mostafa El-Greatly
Date of Birth: 1/2/1995
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Nationality: Egyptian



Transferable Iqama
Saudi Driving License
Member of S.C.E

SUMMARY

Mechatronics Engineer with over seven years of experience in designing and implementing solar energy projects. Specialized in performance analysis and sustainable solutions to enhance energy efficiency and reliance on renewable energy sources. Skilled in team leadership and achieving outstanding results.

EDUCATION

Renewable Energy Science and Engineering Diploma (Pre Master) 2021 - 2022
Beni Suef University
Excellent grade

Higher Institute of Engineering, 6 October City, Giza, Egypt 2012 - 2017
Bachelor in Mechatronics Engineer
Excellent grade ranking the 6rd on 2017 graduation class (GPA 3.66)
Graduation project filling machine variable speed (The leader of team with excellent grade)

WORK EXPERIENCE

Tangreen Company, Cairo 03/2023- 10/2024
Technical Office Head Engineer

- I supervised the design and implementation of solar power plants with a total capacity of 10 MW, (including residential and industrial solar power generation projects) .
- Designed and developed various solar energy projects of different scales and types, using softwares (PVsyst, PVSOL, AutoCAD, SketchUP) .
- Conducted detailed performance analysis and economic estimations for solar energy projects.
- Led engineering and execution teams to ensure projects are executed to required specifications and quality.
- Developed strategies to enhance efficiency and performance of current solar energy projects.

Solar Stream Company, Cairo

Technical Office Engineer 03/2021 - 02/2023

- I supervised the design and implementation of solar power plants with a total capacity of 25 MW, (including residential and industrial solar power generation projects) . Designing PV layouts and structural drawings for all required projects.
- Providing technical direction or support to installation teams during installation, start-up, testing, system commissioning or performance monitoring.
- Performing computer simulations of solar photovoltaic (PV) generation system performance or energy production to optimize efficiency.
- Reviewing specifications and recommending engineering or manufacturing changes to achieve solar design objectives.

06/2020- 02/2021

Technical Sales Engineer

- Meeting with customers instore and site location.
- Providing customers with information about company equipment & solar systems.
- Demonstrating company solar products in a working environment.
- Gathering information to accurately identify the customers solar needs.
- Selecting solar energy products to best suit customer needs.
- Providing customers with quotes ,sales orders and shipping information.

Pure Power Company , Cairo 06/2019- 05/2020

Site Engineer

- I worked as a site engineer in Benban solar park.
- I supervised the design and implementation of solar power plants with a total capacity of 5 MW, (including residential and industrial solar power generation projects) . Designing PV layouts and structural drawings for all required projects.
- Designed and developed various solar energy projects of different scales and types, using softwares (PVSyst, PVsol, AutoCAD, SketchUP) .

Golden Solar Company , Fayoum 01/2018 - 05/2019

Site Engineer

- Designing solar power stations of various types (on grid , off grid and pumps).
- Studying the elements used in the design and the difference between them.

COURSES & CERTIFICATES

- HVAC, Fire fighting, & Plumbing - from (02/2023 - 06/2023)
- Solar Water Pumping Systems Course (MASHREQ for Energy Systems) – from 03/2020 to 04/2020
- Fundamental Principles for Solar Energy (ICG Centre) – From 02/2020 to 04/2020
- Classic Control.
- Solid Works.
- AutoCAD 2d.

SOLAR SOFTWARE PROGRAMS

- PVsyst
- PVSOL
- AutoCAD 2d .
- SketchUP

LANGUAGES

- Arabic - Mother tongue
- English - Execllent